MESMEYAMOV, A.N., akademik; YAVONSKIY, B.M.; ZASLAVSKAYA, G.D.; KOCHETKOVA, N.S.

Absorption spectra of some ferrocene derivatives. Dokl. AN SSSR 160 no.4:837-840 F '65. (MIRA 18:2)

1. Institut elementocryanichesk kh soyedineniy AN SSSR.

S/020/63/140/001/013/023

Yavorekin, R. M. Kochetkova, N. S., Zeslavskaya, G. B.,

Zestyling spectra of sime formorane terivatives

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 149, no. 1, 1963, 11:-115

TEXT: Absorption spectra were taken of acyl and alkyl ferrocene terivatives dissolved in isomotane. Perulte: 1) The break at 528 mi

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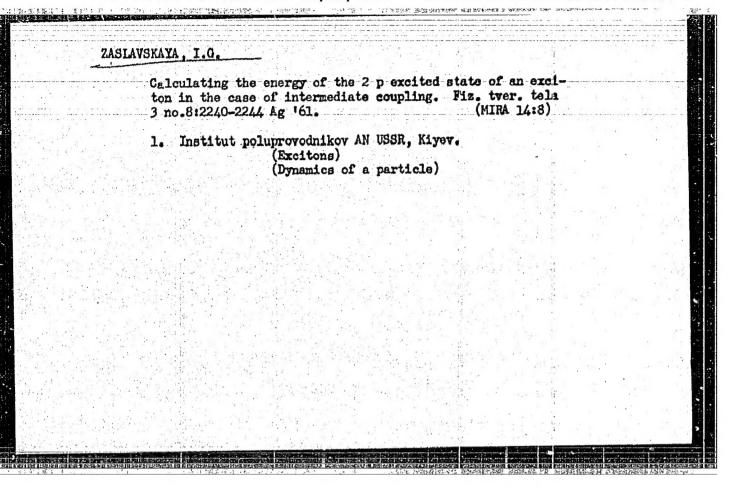
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S/020/63/149/001/013/023 B144, B160

spectra of the heterocyclic disubstituted ferrocene derivatives differed from those of the corresponding monosubstituted compounds in the position as well as in the intensity of the absorption bands. 4) The absorption spectra is, and the nature of the substituting group, as fine difference settles the absorption tends of ferrocene and its alkyl homologs is only suight. An asignificant hypsochrome shift of the 440 ms hand was a less all the All the All the related to the start of the All the substitution of the All the substituti

and 2 tables. ASSOCIATION: Institut elementoorganicheekikh soyedineniy Akademii nauk SSSR (Institute of Elemental Organic Compounds of the Academy of Golenoes USSE) Card 2/3 8/020/63/140/001/013/023 Absorption spectra of some ... 3144/B 86 SUBMITTED: December 1, 1962 APPROVED FOR RELEASE: 03/15/2001

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TITLE: Absor	tion spectra of co	ertain derivativ	es of ferroce	ne /	B	
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ASLAVSKAYA, I. G.			
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S/1E1/61/003/008/005/034 B102/B201

Zaslavskaya, I. G.

TITLE:

Calcualtion of the energy of the excited state 2p of an exciton with intermediate coupling

PERIODICAL:

Fizika tverdogo tela, v. 3, no. 8, 1961, 2240 - 2244

TEXT: A calculation of excited exciton states with intermediate coupling is given, the variable parts of the displacements of the normal coordinates from the position of equilibrium being taken to be equal for all excited states. Intermediate coupling is taken into account be means of the approximate function

 $\psi_{mn} = A\psi_{m}(\mathbf{r}_{1}, \ \mathbf{r}_{2}) \prod_{n} \Phi_{n_{n}} \left[q_{n}' - q_{nm} \left(\mathbf{r}_{1}, \ \mathbf{r}_{2} \right) \right],$

which had been suggested for the first time by V. M. Buymistrov and S. I. Fekar (Zhetf, 32, 1193, 1957). Here, the displacements q_{km} of the normal Card 1/8

Calculation of the energy of ...

S/181/61/003/008/C05/C34 B102/B201

vibrations from the position of equilibrium depend upon the instantaneous values of electron and hole coordinates; in the ground state, $q_{KM} = q_{X1S}$. The steady-state part of displacements of normal vibrations is independent of \vec{r}_1 and \vec{r}_2 , and differs for different excited states; $q_K' = q_K - q_{XM}$ (\vec{r}_1, \vec{r}_2) . \vec{r}_1, \vec{r}_2 are the electron and hole coordinates, respectively., \vec{r}_1 is the wave vector of lattice vibrations, q' is the vibration coordinate, is the eigenfunction of the problem of the harmonic oscillator, \vec{r}_1 numbers the electron-hole excited state, and \vec{r}_2 and \vec{r}_3 characterizes the quantum state of the vibrational system. The function \vec{r}_1 while not existing in the limiting case of a strong coupling, becomes considerable if coupling turns weaker; i.e., when calculating the excited states, it is necessary to take into account \vec{r}_{KM} as a function of \vec{r}_1 , which, however, disturbs the orthogonality of the function of the ground state and excited states. The \vec{r}_{KM} eversus- \vec{r}_1 function can then be disregarded, and the \vec{r}_1 of all excited states can be taken to be equal, while \vec{r}_1 in Card \vec{r}_1 of all excited states can be taken to be equal, while \vec{r}_1 in

S/181/61/003/008/005/034 B102/B201

Calculation of the energy of ...

the ground state. The initial Hamiltonian is set up with

$$H = -\frac{\hbar^{2}}{2m_{1}}\Delta_{1} - \frac{\hbar^{2}}{2m_{2}}\Delta_{1}\sum_{n}\frac{\hbar\omega_{n}}{2}\left(q_{c}^{2} - \frac{\partial^{2}}{\partial q_{n}^{2}}\right) + \sum_{n}C_{n}q_{n} \times \left[\chi_{-n}(\mathbf{r}_{2}) - \chi_{-n}(\mathbf{r}_{1})\right] - \frac{\sigma^{2}}{\hbar^{2}\left[\mathbf{r}_{1} - \mathbf{r}_{2}\right]}$$

where m_1 , m_2 denote the electron and hole mass, n is the refractive index, $c = 1/n^2 - 1/\epsilon$, and ϵ is the dielectric constant,

$$c_{\kappa} = e^{\frac{\sqrt{47\lambda_{i}\omega_{i}c}}{|\chi|}}, \chi_{-\kappa}(\vec{r}_{i}) = \sqrt{\frac{2}{V}} \sin(-\kappa \vec{r}_{i} + \frac{\sqrt{4}}{4});$$

V is a unit volume. Calculating the energy of an excited state of the crystal is equivalent to seeking the relative minimum of the functional

 $E_{m,n} = \begin{cases} \psi_{m,n} & \forall \psi_{m$

S/181/61/003/008/005/034 B102/B201

Calculation of the energy of ...

the energy of the m-th excited state of the exciton. In the special case of m = 2p considered here, one obtains:

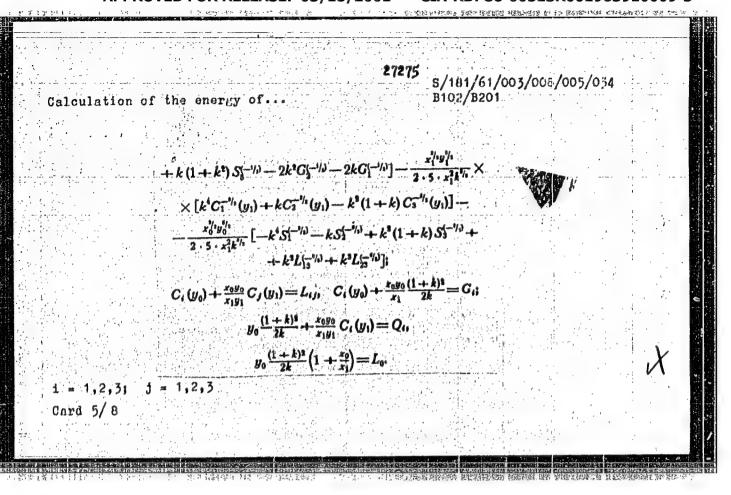
$$\frac{\pi n^4 h^2}{\mu e^4} E_{2j,\,R} = -\frac{1}{2} x_1 (5 + 3y_1) - \gamma \frac{\pi n^2 e}{k (2n+1)} F(k, x_0, y_0, x_1, y_1),$$

where !

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Calculation of the energy of ...

In case of a weak coupling $(k < 3, y_0 = y_1 = 0)$, the expression for the energy is simplified:

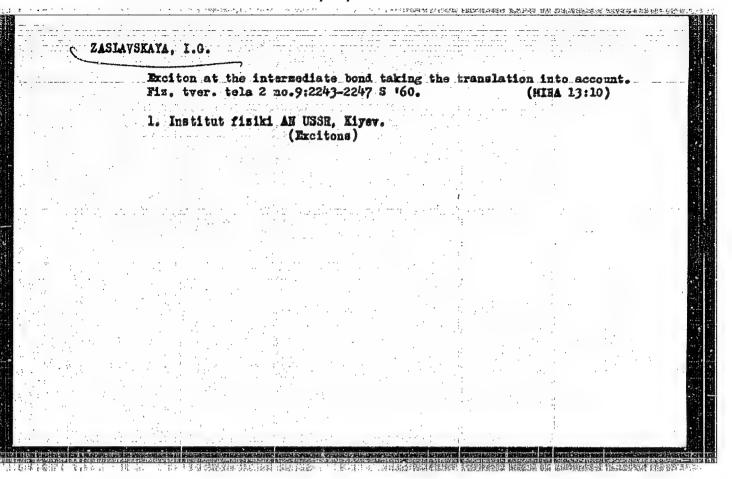
$$\frac{\pi n^{4}h^{2}}{\mu e^{4}} E_{2p, a} = -\frac{5}{2} x_{1} - \gamma \frac{2\pi n^{2}o(1+k)^{2}}{k(2n+1)} \frac{1}{\sqrt{2x_{1}}} \times \left[\sqrt{\frac{x_{1}}{2x_{0}}} + \frac{4}{3} - \left(1 + \frac{x_{1}}{x_{0}}\right)^{l_{1}} - \frac{1}{3} \left(1 + \frac{x_{1}}{x_{0}}\right)^{-l_{1}} \right] \times \left[0.888 \dots, x_{1} = 0.1422 \dots \right]$$

The second term characterizes the deviation from the hydrogen-like level. For the case of the Cu_2O crystal ($K\omega = 0.0313$ ev, $n^2c = 0.556$, $n^2 = 4$), theoretical results are compared with experimental data. The following relations hold for k = 1, 2 and $m_2 = 2$ in dimensionless units:

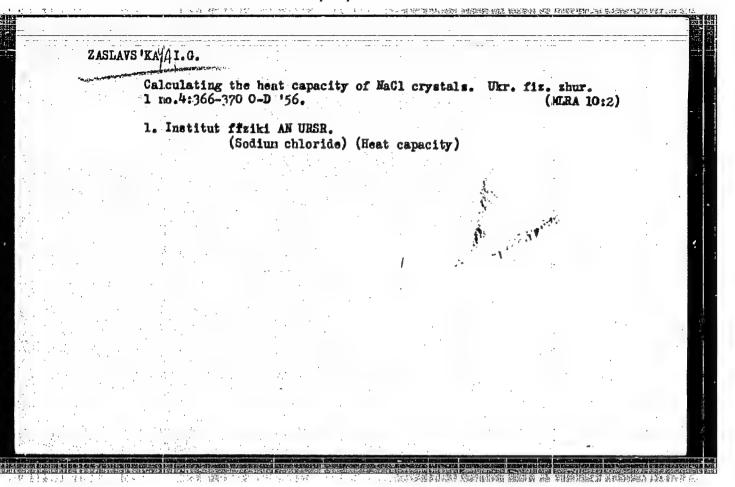
$$\frac{E n^{4} k^{2}}{\mu e^{4}} \cdot I_{2p} = -0.355...$$

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Calculation of	the energy c		S/18 B102	31/61/003/00 2/3201	8/005/034	
	k = 1 k = 2	heor: , $\triangle E = -0.140$, $\triangle E = -0.236$	exper.			
	ferences: 6	Soviet-bloc an	d 1 non-Sov	iet-bloc.	The	***/
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ZASLAV	SKAYA, I.G.			··	
	Energy spectra of 1791-1796 J1	f weakly coupled 63.	excitons. Fiz.	tver. tela 5 no.7: (MIRA 16:9)	
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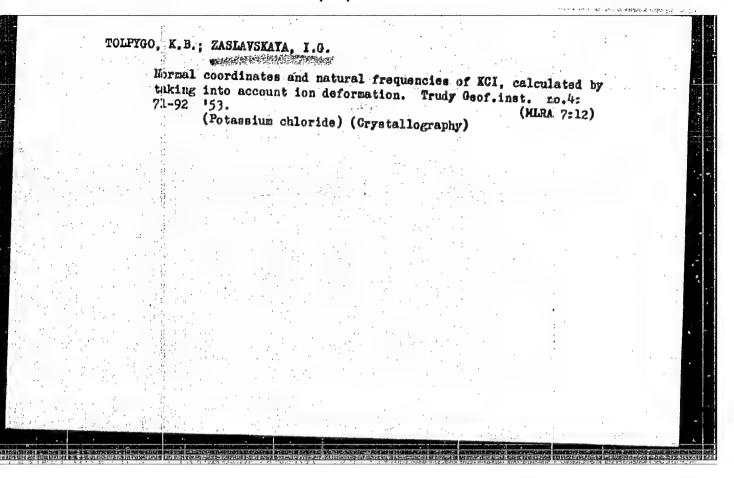
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	9,4300 (1138,1143,1144) 8/181/60/002/009/042/047/XX B004/B070	
	AUTHOR: Zaslavskaya, I. G.	
)	TITLE: Exciton With Intermediate Coupling Taking Into Consideration the Translation	
	PERIODICAL: Fizika tverdogo tela, 1960, Vol. 2, No. 9, pp. 2243-2247	
	TEXT: The ground state of exciton is calculated according to the intermediate coupling theory of V. M. Buymistrov and S. I. Pekar (Refs. 1,2) mediate coupling theory of V. M. Buymistrov and S. I. Pekar (Refs. 1,2) taking into account the translational symmetry. Since the Hamiltonian is invariant to translations, its eigenfunction may be chosen equal to that of the translation operator: T, $\Psi_K = \exp(iK_\xi)\Psi_K$; the quasi-momentum of the exciton is h . In the translation-symmetric approximation, the wave function of the system is written as follows:	
	$\psi_{\alpha} = \int e^{-i\alpha t} T_{i} e^{-i\alpha^{2} - \beta \delta t} \prod_{n} e^{-\frac{1}{n} \left(e^{\frac{n}{n} + \frac{1}{n} \ln n} \right)} d\xi, \qquad (1)$	
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	85151	30
	Exciton With Intermediate Coupling Taking 5/181/60/002/005/042/047/XX Into Consideration the Translation B004/B070	
	m_1 , and m_2 are the masses and r_1 , and r_2 the radius vectors of the electron and the hole, respectively; $r=r_1-r_2$; $R=(m_1r_1+m_2r_2)/(m_1+m_2)$.	4.0
	A and β are the parameters of approximation defined in Ref. 4 11 18 found that the problem is reduced to calculating \mathcal{H}_{K} (Ψ _K Hγd τ)/(Ψ _K YK ^d τ)	
**	and making the approximations with respect to the parameters a and boof the wave vector. The following results are obtained for the energy of ground state of the exciton:	7 45
	$\frac{\pi n^4 h^2}{\mu e^4} \mathcal{H} = \frac{\pi n^4 h^2}{\mu e^4} \mathcal{H}^0 - \gamma \frac{\pi 3^2}{2^3} \frac{W_1}{W_0} + k^2 \gamma^2 \frac{3^2 \pi^2}{2^2 n^2 o} \frac{W_1}{W_0^2},$	50
	$W_{1} = \frac{(1+k)^{2}}{\pi k} \frac{(xy)^{2}}{n^{3}c} + \frac{2(1+k)^{2}}{3\pi k'^{3}} (xy)^{1/2} F_{1} + \frac{2(1+k)^{3}}{3^{3}\pi k} n^{2} cxy \times \times \left[\frac{1}{k} F_{1}^{2} + F_{3}^{2} \right] + \frac{2(1+k)^{3}}{5\pi k} n^{2} cxy \left[\frac{1}{k} C_{1}^{2} F_{1}^{2} + C_{2}^{2} F_{3}^{2} \right], \tag{6}$	
	$F_1 = -\left(1 - \frac{1}{\sqrt{2}}\right)C_1^{-1/2} - k\left(1 - \frac{1}{\sqrt{2}}\right)C_1^{-1/2} + (1 + k)\left(1 + \frac{1}{\sqrt{2}}\right)C_3^{-1/2} = -\frac{1}{\sqrt{2}}$	
	$-(1+k)C_{1}^{-1/6}-\sqrt{2}C_{1}^{-1/6}-k\sqrt{2}C_{1}^{-1/6}+C_{1}^{-1/6}+kC_{3}^{-1/6},$ $\operatorname{Card} 2/4 \qquad F_{1}=\left(1+\frac{1}{\sqrt{2}}\right)C_{3}^{-1/6}-\left(1-\frac{1}{\sqrt{2}}\right)C_{1}^{-1/6}-C_{1}^{-1/6}-\sqrt{2}C_{3}^{-1/6}+C_{7}^{-1/6},$	
	The second secon	Margarity V

Exciton With Intermediate Coupling Taking S/181/60/002/009/042/047/XX Into Consideration the Translation B004/B070	A .
$F_3 = \left(1 + \frac{1}{\sqrt{2}}\right) C_3^{-1/4} - \left(1 - \frac{1}{\sqrt{2}}\right) C_2^{-1/4} - C_4^{-1/4} - \sqrt{2} C_6^{-1/4} + C_6^{-1/4},$	

$C_{s}=1+\frac{y}{k}$; $C_{6}=1+y\frac{1+3k^{2}}{4k}$; $C_{6}=1+y\frac{3+2k+k^{2}}{2k}$,	
$C_3 = 1 + y \frac{1 + k^2}{2k}; C_4 = 1 + y \frac{3 + k^2}{4k}.$	X
Here, $n = refractive index$, $\mu = reduced mass of the electron and the hole, k = m_2/m_1, W_0 = 3(1+k^2)(xy)^2/4\pi \ kn^2c, x = \pi \ll (n^2k^2/\mu e^2)^2, and$	
$y = \beta k/\omega (1+k)^2$. The values obtained for the groundstate energy and the	
by V. A. Moskalenko (Ref. 5) following Feyman's method. When the inter-	
Card 3/4	•
	Into Consideration the Translation $B004/B070$ $F_3 = \left(1 + \frac{1}{\sqrt{2}}\right) C_3^{-1/4} - \left(1 - \frac{1}{\sqrt{2}}\right) C_2^{-1/4} - C_4^{-1/4} - \sqrt{2} C_6^{-1/4} + C_7^{-1/4},$ $F_4 = \left(1 + \frac{1}{2^{1/4}}\right) C_3^{-1/4} - \left(1 - \frac{1}{2^{1/4}}\right) C_1^{-1/4} - C_4^{-1/4} - \frac{1}{\sqrt{2}} C_6^{-1/4} + C_7^{-1/4},$ $F_5 = \left(1 + \frac{1}{2^{1/4}}\right) C_3^{-1/4} - \left(1 - \frac{1}{2^{1/4}}\right) C_4^{-1/4} - \frac{1}{\sqrt{2}} C_6^{-1/4} + C_6^{-1/4},$ $F_5 = \left(1 + \frac{1}{2^{1/4}}\right) C_3^{-1/4} - \left(1 - \frac{1}{2^{1/4}}\right) C_4^{-1/4} - \frac{1}{\sqrt{2}} C_6^{-1/4} + C_6^{-1/4},$ $C_1 = 1 + yk; C_4 = 1 + y \frac{1 + k + k^2}{k}; C_7 = 1 + y \frac{1 + 2k + 3k^2}{2k},$ $C_3 = 1 + y \frac{1 + 3k^2}{4k}; C_8 = 1 + y \frac{3 + 2k + k^2}{4k}.$ Here, $n = \text{refractive index}, \mu = \text{reduced mass of the glectron and the noise, } k = \frac{n}{2} C_{1/4} \cdot \frac{n}{4} \cdot$

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. ZASLAVSKAYA, I.G.

USSR/Physics - Semiconductors

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Card 1/2

Pub. 153 - 1/24

Author

: Tolpygo, K. B.; Zaslavskaya, I. G.

Title

: Bipolar diffusion in semiconductors in the case of considerable

currents

Periodical

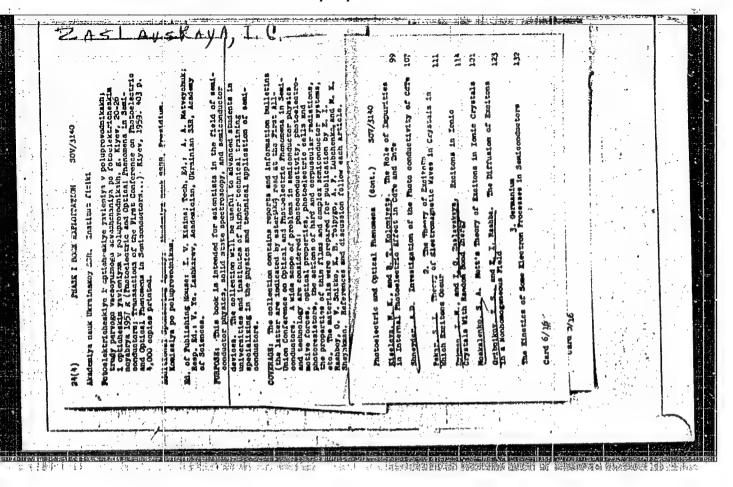
: Zhur. tekh. fiz., 25, No 6 (June), 1955, 955-977

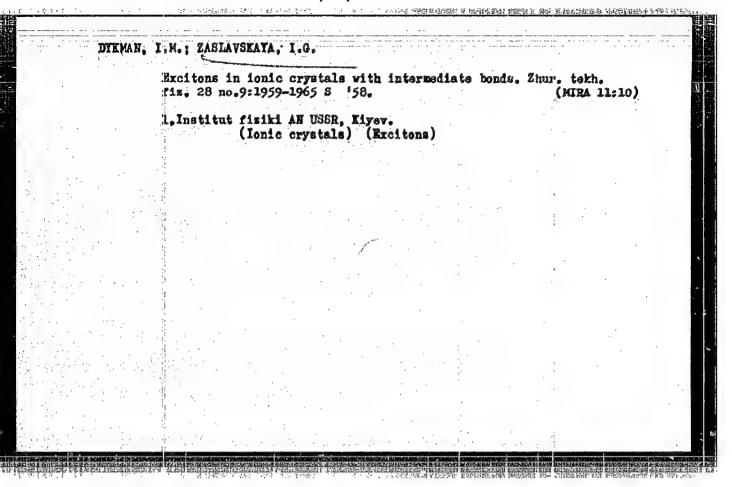
Abstract

The authors solve the equations describing bipolar diffusion in a semiconductor in which there is an inversion in the sign of conductivity thanks to the contact field or to the inhomogeneous composition of the admixture (impurity). They consider the admissible direction of the current in the case of planar or semispherical contact. They show that in the case of considerable currents the essential role is played by the penetration of current carriers of one sign into the region of the semiconductor with current carriers of the opposite sign, in addition to the familiar "flooding" of the blocking layer by current carriers. As a result the total resistance of the system turns out to be considerably less than the resistance of a homogeneous semiconductor of the same thickness but without the blocking (valve) layer. The authors present sample volt-ampere characteristics for direct currents.

They thank Professor V. Ye. Lashkarev, Active Member of Academy of Sciences of Ukrainian SSR, who posed the problem. Six references: e.g. N. F. Deygen, V. Ye. Lashkarev, Trudy IFAN USSR, No 4, 3, 1953.

Institution:
Submitted: February 8, 1954





AUTHORS:

Dykman, I. M., Zaslavskaya I. O.

sov/57-23-9-15/33

TITLE:

Excitons in Ionic Crystals With Intermediate Binding (Eksitony

v ionnykh kristallakh pri promezhutochnoy svyazi)

PERIODICAL:

Zhurnal tekhnicheskoy fiziki, 1958/Nr 9, pp. 1959 - 1965 (USSR)

ABSTRACT:

Quite recently a method for the investigation of a system of electric charges in ionic crystals with intermediate binding was suggested by Buymistrov and Pekar in reference 6. Among the methods found in publications of the investigation of intermediate bindings this method proved to be the best when applied to polarons. In this paper the method is applied to excitons. The energy level of the system is reduced at all values of the crystal parameters as compared to the hydrogen-like level of the exciton. The energy decreases lineraly with n^2c due to the interaction with the lattice. From certain levels this dependence can be more pronounced. In denotes the refraction index, and $\frac{1}{n^2} = \frac{1}{n^2} =$

 $o = \frac{1}{n^2} - \frac{1}{\epsilon}$, where ϵ denotes the dielectric constant. The

Card 1/2

two types of excitons resulting from the work reported in

Excitons in Ionic Crystals With Intermediate Binding SOV/57-23-9-15/33 reference 2, prove to be physically justified from the viewpoint of a more general method, as limiting cases with closely and loosely bound excitons. There are 1 figure and 7 references, 5 of which are Soviet.

ASSOCIATION: Institut fiziki AN USSR, Kiyev (Institute of Physics AS UkrSSR, Kiyev)

Card 2/2

s/181/62/004/004/018/042 B104/B108

AUTHOR:

Zaslavskaya,

TITLE:

Calculation of the first excited state of an F-center taking

degeneracy into account

PERIODICAL: Fizika tverdogo tela, v. 4, no. 4, 1962, 963 - 967

TEXT: The first excited state of an F-center is calculated by the method of variations of H. Fröhlich et al. (Phil. mag., 41, no. 314, 221, 1950). The wave function of the first excited state is

$$V = \sum_{j} C_{j} \psi_{j} \stackrel{\triangle}{=} 0 + \sum_{j} b_{j} x^{(j)} j^{2} x^{(j)}$$

where Φ_0 is the product of the oscillator wave functions. C_j and b_{jx} are the variation parameters. If the F-centers are weakly coupled to the lattice vibrations, the results agree with the second perturbation theoretical approximation. Taking interaction into account leads to the splitting of the quadruply degenerate first excited level in two: one 2s

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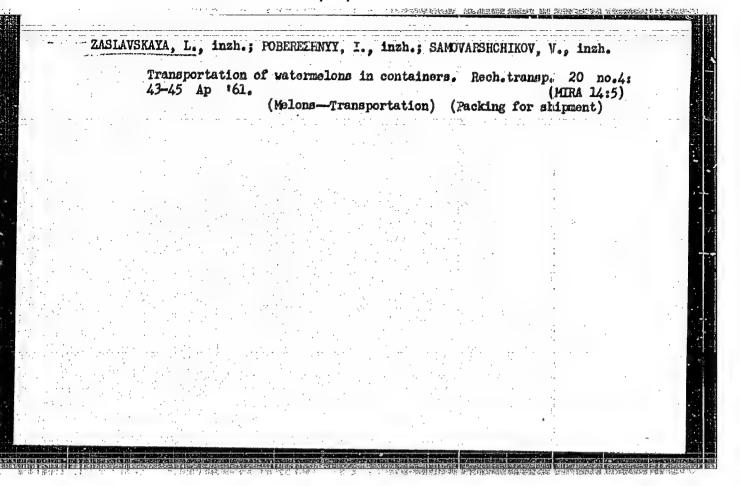
Calculation of the first excited ... S/181/62/004/004/018/042

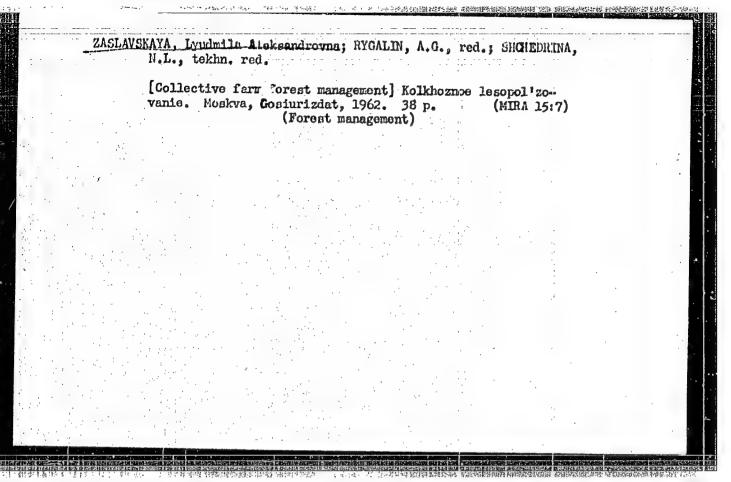
(higher) and one 2p level (lower). This is explained by the electron of the F-center being in the Coulomb field of an ion and in a polarizing field.

All four levels in the former are degenerate.

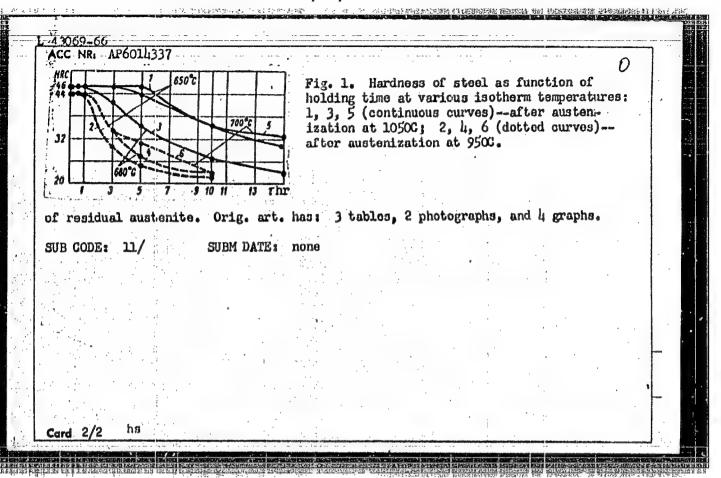
ASSOCIATION: Institut poluprovodikov AN USSR Kiyev (Institute of Semiconductors AS UKrSSR, Kiyev)

SUBMITTED: November 30, 1961





EWT(m)/EWP(w)/T/EWP(t)/ETI IJP(c) ACC NRI APGOLLI337 SOURCE CODE: UR/0122/65/000/012/0057/0060 AUTHORS: Fedotova, L. S. (Engineer); Kubyshkina, T. D. (Engineer); Zaslavskaya, L. V. (Engineer) ORG: none TITLE: The properties and structure of 1Kh12N2VMFA stainless steel SOURCE: Vestnik mashinostroyeniya, no. 12, 1965, 57-60 TOPIC TAGS: austenite, martensite steel, martensitic transformation, hardness, carbide phase, tempering, steel microstructure, microhardening/ 1Kh12N2VMFA martensite steel ABSTRACT: The properties and structure of 1Kh12N2VMFA martensite steal are given. chemical composition is (in %): 0.12 C, 12 Cr, 1.5 Ni, 2 W, 0.25 V, and 0.4 Mo. This steel can operate for prolonged periods at temperatures to 6000. The introduction of nickel allows the formation of & ferrite to be avoided. Its best mechanical properties are schieved with quenching from a temperature corresponding to fairly complete dissolution of the carbon and alloy elements (from 1000--1020C in oil or in air, with tempering at 580 or 6800). In the hardened state, the steel has a hardness of HRC 44-46 (see Fig. 1). The magnetic and dilatometric methods were used to study the martensitic transformation in the steel. It was found that the displacement of the boundaries of martensitic transformation aid not substantially increase the amount UDC: 621.78:669.15-194.1Kh12Y2VMFA Card 1/2



"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910009-3

AUTHORS:

Popova, N.H., Zaslavskaya, L.V.

32-1-10/55

TITLE:

The Colorimetric Determination of the Iron Carbide Content in Steel (Kolorimetricheskoye opredeleniye soderzhaniya karbida

zheleza v stalyakh).

PERIODICAL:

Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 1, pp. 26-29 (USSR)

ABSTRACT:

In the introduction it is said that iron carbide gives a brownishred color in a sodium picrate solution, but that this is not the case with metallic iron (in form of a fine powder), conditions otherwise being the same. It is further said that, if anode precipitations have this color, this is due to the formation of iron carbide. For purposes of analysis the anode solution of steel in a cooled potassium hypochlorite solution with a content of citric acid at a current density of 0.02 N cm2 was used. The precipitation was dried in an exsiccator over phosphorus pentoxide for a period of 20 hours. The precipitation thus obtained was treated with a 20% NaOH solution and a 0.1% picric acid solution. The solution obtained was boiled for 30 minutes and then cooled. The iron content in the precipitation was then determined and the filtrate was colorimetrized. In the case of an anode precipitation of silicon steel (which was isothermally hardened) it would be possible to

Card 1/2

The Colorimetric Determination of the Iron Carbide Content in Steel

32-1-10/55

ascertain the remaining austenite; no iron carbide content was ascertained by X-ray analysis, but by a treatment of the precipitation with sodium piorate (as above) the presence of this carbide was ascertained. For colorimetrization the glycerin suspension of the anode solution was used, for which purpose such a suspension of silicon steel, which had been softened at 400°, was used. The iron content in the carbides was computed by mean of the formula

Where $\frac{A}{B}$. 100, where A denotes the content of iron determined according to the intensity of coloring (basing upon the standard) and B—the content of iron which could be ascervained in the anode precipitation after treatment with a sodium picrate solution. In conclusion it is said that the coloring intensity of the solutions from steel samples softened at 600° turns out to be much weaker than those softened at 200, 300 and 400° , because in the latter case the highly dispersive carbides are formed. There are 1 figure, 1 table and 2 Slavio references.

AVAILABLE:

Library of Congress

Card 2/2

1. Iron carbide-Determination 2. Iron carbide-Test methods

5(4) AUTHORS:

Popova, N. M., Platonova, A. F.,

SOV/32-25-3-4/62

Zaslavskaya, L. V.

TITLE:

Chemical Methods of Phase Analysis of Metalioceramic Alloys on the Basis of Titanium Carbide and Diborides of Chromium and Titanium (Khimicheskiye metody fazovcgo analiza metallokeramicheskikh splavov na osnove karbida titana i diboridov khroma i titana)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 3, pp 271-273 (USSR)

ABSTRACT:

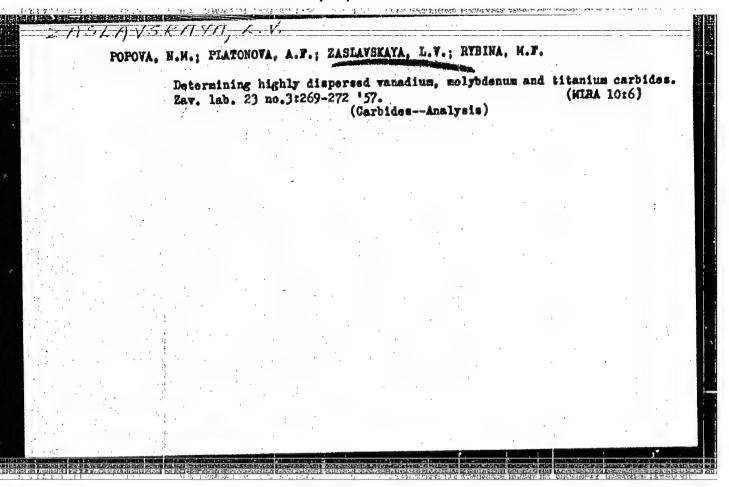
In order to separate metals from carbides, borides and other high-melting compounds a chemical treatment must be carried out in which only the metal dissolves. Since an electrochemical dissolution of solid samples is not suited in this case, fine-sieved samples (270 meshes) were used. Titanium carbide (I) could be separated from nickel, cobalt, chromium, and iron by boiling out the metal powder in hydrochloric acid. The chromium content in the carbide phase depends on the preparation process of the sample (Table 1). The separation of (I) from metallic niobium was attained by a boiling out with hydrofluoric acid. In the presence of molybdenum or tungsten an electrochemical dissolution of the pulverized sample must take place since

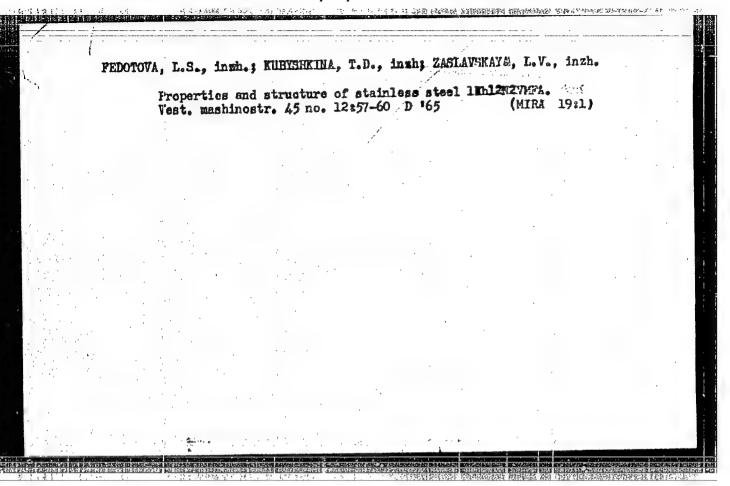
Card 1/2

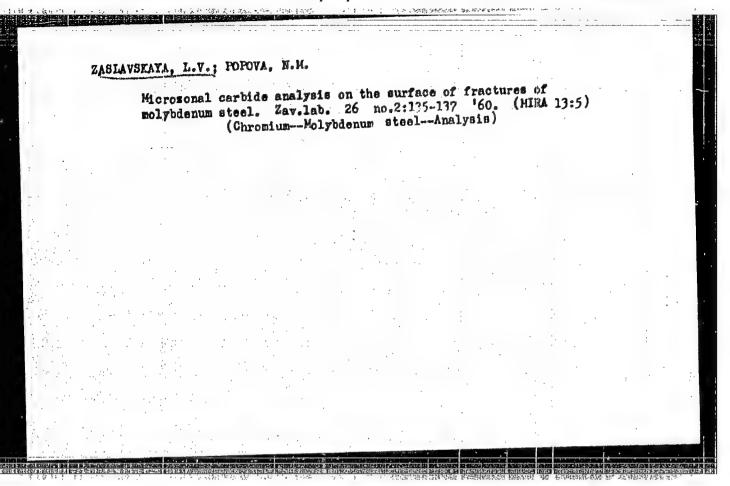
Chemical Methods of Phase Analysis of Metalloceramic SOV/32-25-3-4/62 Alloys on the Basis of Titanium Carbide and Diborides of Chromium and Titanium

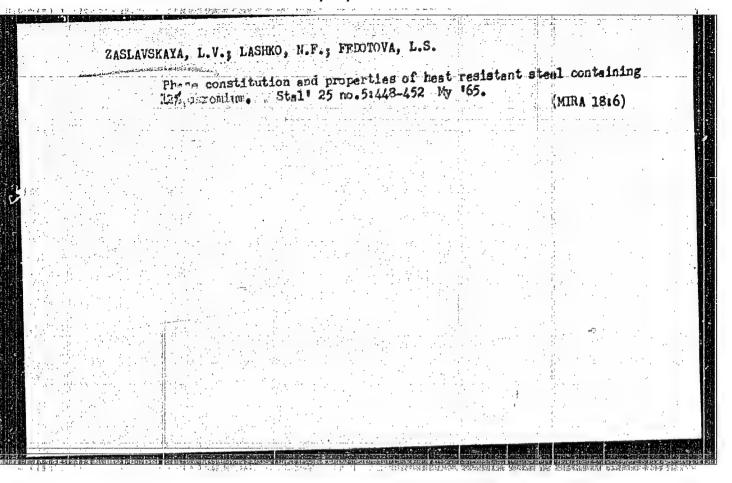
Mo and W dissolve difficultly in the acid. A special apparatus was used for the work which was carried out during 10-15 hours at 0.3 a .. The analyses of alloys on the basis of (I) show (Table 2) that it is in a carbide phase at less than 25% Mo, while an increase beyond 25% Mo increases the Mo content in the binding metal up to a constant value of 25% Mo approximately. Separations of the boride phase from metallic Mo, which were carried out with alloys on the basis of binary diborides of chromium and titanium according to the above-mentioned separations, sho ked that apparently two boride phases - a soluble and an insoluble one . form in dependence upon the conditions of analysis. For this reason a second method of analysis was applied by use of hydrogen peroxide (for the dissolution of Mo and the soluble boride phase). The results of the analysis confirm the values which had been obtained by using the electrochemical method (Table 3). There are 3 tables.

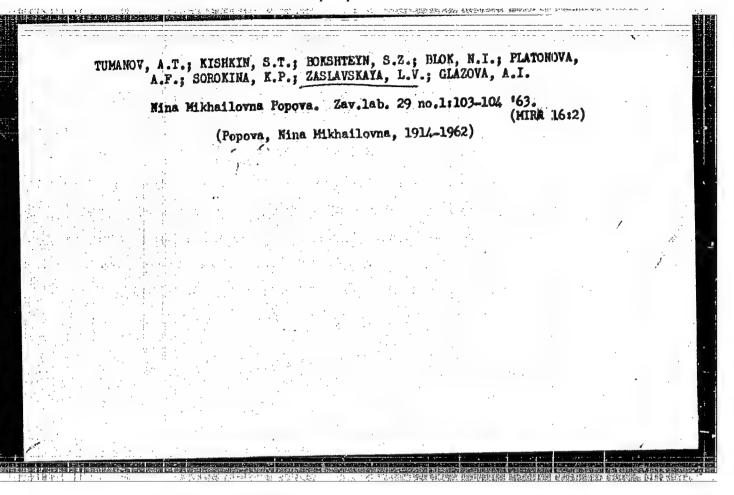
Card 2/2











Zælovskaya, L.V.

AID Hr. 979-2 29 May

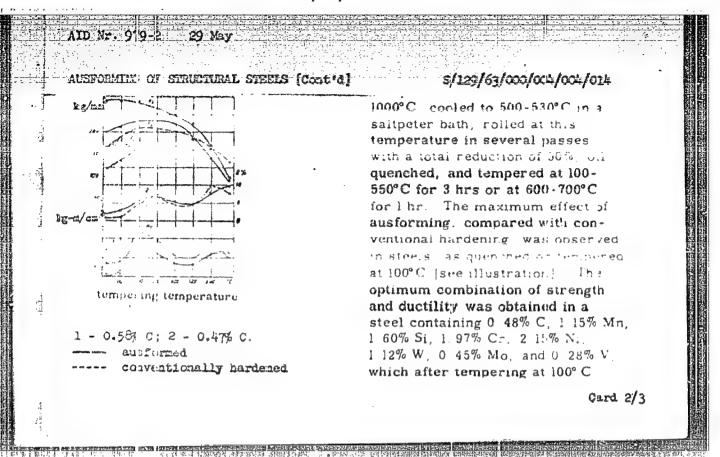
AUSFORMING OF STRUCTURAL STEELS (USSR)

Pevzner, J. M., I N Roshchina T D Kubyshkina and L. V. Zaslavskaya.

on the structure, phase composition, and mechanical properties of low-alloy structural steels containing 0.47-0.58% C, 1.67-1.97% Cr. 2.15-2.44% Ni 0.80-1,12% W, 0.40-0.46% Mo, and 0.9-0.28%V has been studied. Test specimens 30 x 35 x 22 ram. enclosed

in 1X18H9T steel (AISI 32) en-

Card 1/3



ADD Nr. 979-2 29 May

AUSFORMING OF STRUCTURAL STEELS [Cont'd]

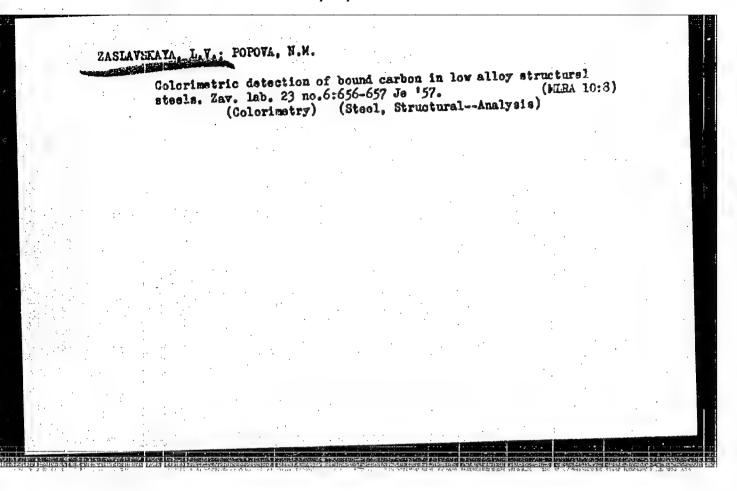
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had a tensile strength $\sigma_b = 280$ - 290 kg/mm² and impact strength

 $4\chi^{-1}$ and $700\,\mathrm{mm}^2$. With an increase in the interstic or 58% , χ^{-1} and $1.5-2~\mathrm{kg}$ m/cm. With tempering at 200 to 600°C, the advantages of a interpreting over convertional handening become less phonounced, e.g., the increase of ergin of customs of the increase shows that they observe entire the root of the increase of the convertion of the increase of the increase of the convertion of the increase of the increase of the convertion of the c

The nucleative considerative lower than those of longitudinal scenarios of the sheet case series of deformed martensite shaped like small prates parametro the sheet case exercition do be oriented in the direction of rolling. X-ray diffraction patterns showed that the substructure too becomes an substruction as a result of and recomposite had because to consider the shape of makes that the shape of makes the construction of the shape of

the former proceeds at a lower rate than that of the latter. At temperatures over 550° C the opposite is true.



ZASLAVSKAYA, L.V.

AUTHOR: TITLE:

ZASLAVSKAYA, L. V., POPOVA, N. M. The Colorimetric Determination of Bound Carbon in Weakly Alloyed Types of Structural Steel. (Kdorimetricheskoye op redeleniye svyazannogo ugleroda v malolegi rovannykh stalyakh, Kussian)

Zavodskaya Laboratoriya, 1957, Vol 23, Nr 6, pp 656-657 (U.S.S.R.) PERIODICAL:

ABSTRACT:

When dissolving steel in nitrogen acid a dark color is obtained. This phenomenon served as a basis for the method of colorimetric determination of bound carbon in steel. As, however, this method has found very little use, above all because of its low degree of sensitivity, it is recommended by this paper not to use steel itself as a subject of investigation, but the carbide precipitation which is separated on the occasion of the dissolution of steel. In order, on this occasion to eliminate the disturbing effect of iron salt coloring, and in order to make the method more sensitive, it is recommended to introduce phosphoric acid into the solution. However, an experiment is described here in which nickel steel (with 0,41% C and 5,66% Ni content) was used. It was found on this occasion that the intensity of the coloring does not depend on the iron content in the steel, but on the percentage of the bound carbon, Further, it was proved that the samples of the same type of steel, which had, however, been subjected to different thermal treatments; show also different

Card 1/2

The Colorimetric Determination of Bound Carbon in Weakly Alloyed Types of Structural Steel.

shades of coloring. The method worked cut on the basis of this experiment is said to be applicable also in the case of very small amounts of precipitation so that it is particularly well suited for zonal analysis.

ASSOCIATION: PRESENTED BY:

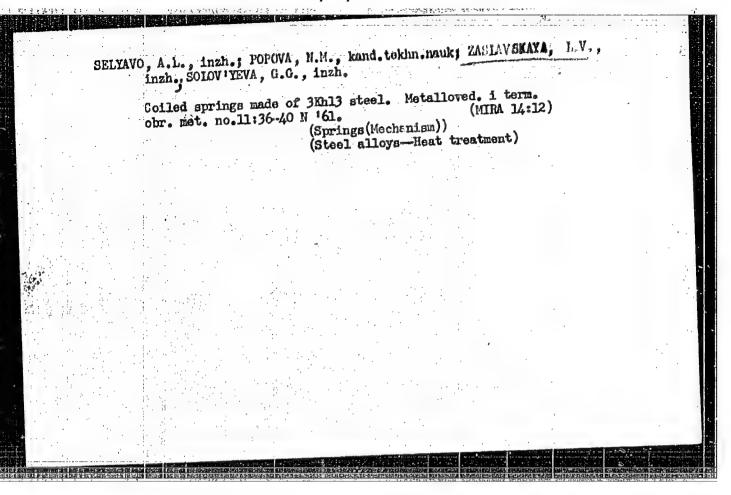
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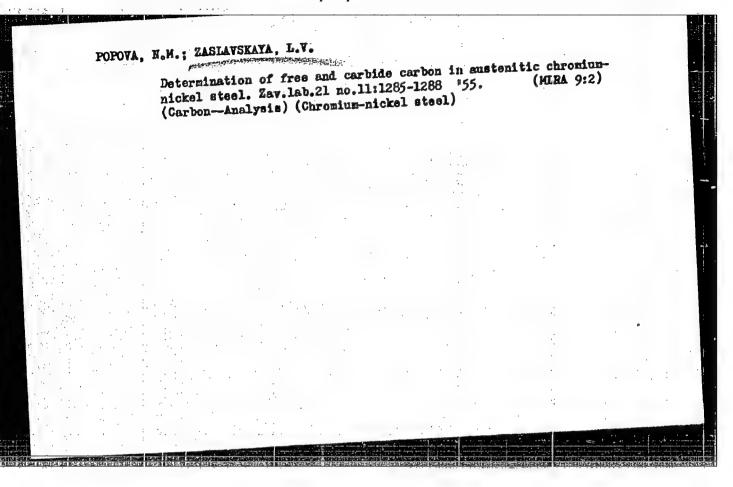
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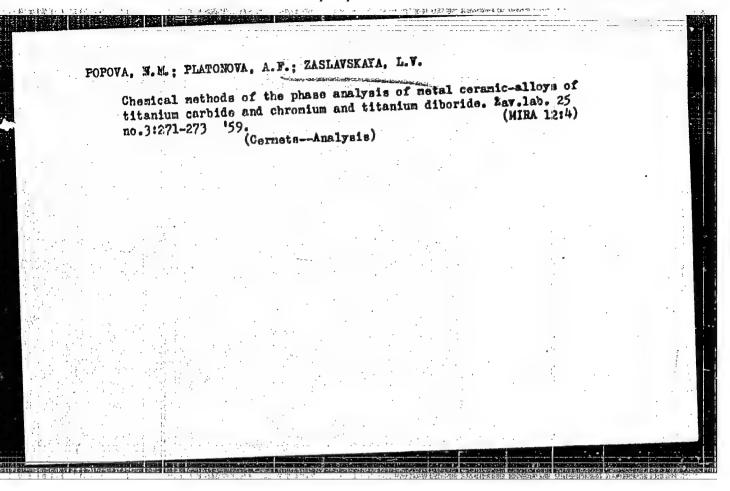
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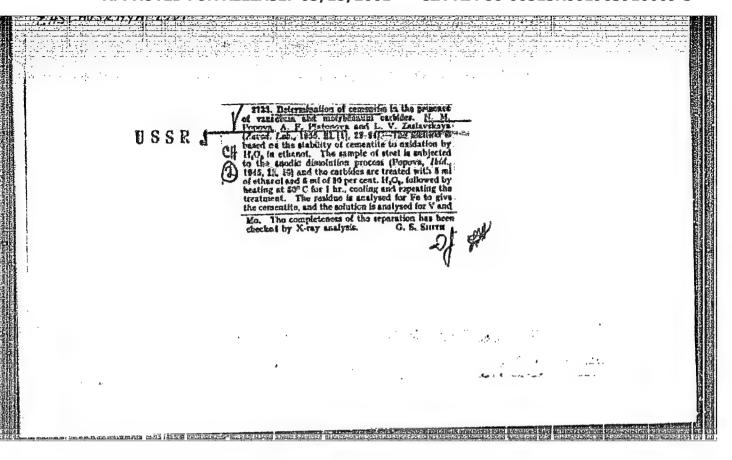


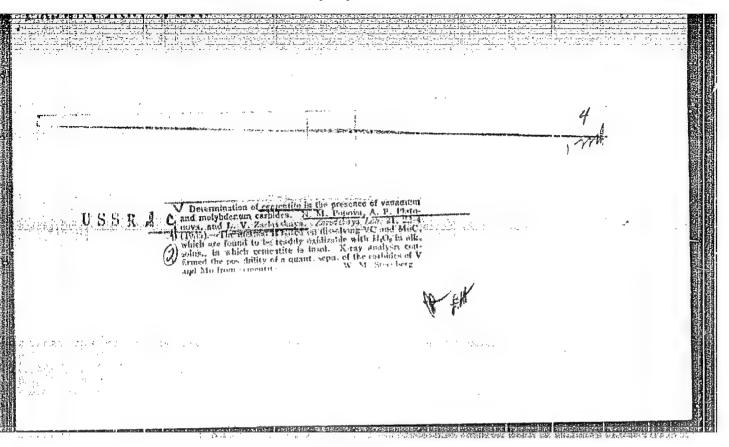


"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910009-3







L 1678-66 ENT(m)/ENP(w)/ENA(d)/T/ENP(t)/ENP(z)/ENP(b)/ENA(c) LJP(c) JD/JG ACCESSION HR: AP5013232 UR/0133/65/000/005/0448/0452 669.15 : 669.26 AUTHOR: Zaslavskaya, L. V.; Lashko, N. F.; Fedotova, L. S. September a unite seminoportura sanimos Hally Do TITLE: Phase composition and properties of heat-resistant steel containing 12% chromium 21 .44,551 14 SOURCE: Stal', no. 5, 1965, 448-452 TOPIC TAGS: chromium steel, heat resistant steel, molybdenum steel, vanadium ABSTRACT: The effect of alloying elements on the phase composition and properties was studied in three types of chromium steel containing approximately 12% chromium, alloyed with molybdenum, tungsten and vanadium. At low tempering temperatures, depending upon the duration of tempering, the metastable carbides MegC and Me₂C are formed. The He₂C curbides (with Cr C as the main component) cause the secondary hardness of the steels. The temperature range of existence of HeuC carbides widers as the molybdenum and tungsten content increases. An appreciable drop in the impact strength of such steels is observed when the dispersed carbides (par-

I. 1678-66 ACCESSION NR: AP5013232				0	
ticularly MezaC6) precipitat	e In the cou	nap of townshi	no stanta ut	h_a_h{ah	
molybdenum and tungoten cont	ent, all of th	e carbon gradu	tally becomes	fixed in the	
carbides, and this is follow phase He ₂ (W. Ho). The forms					¢ i
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S/129/61/000/011/007/010 E073/E335

AUTHORS:

Selyavo, A.L., Engineer, Popova, N.M., Candidate of

Technical Sciences, Zaslavskaya, L.V. and

Solov'yeva, G.G., Engineers.

TITLE:

Coiled springs made of the steel 3X13 (3Khl3)

PERICDICAL: Metallovedeniye i termicheskaya obrabotka metallov, no. 11, 1961, 36 - 40

TEXT: The investigations were made to obtain more accurate information on the heat-treatment of this steel. Rolled rods of steel 3Khl3 (0.26 - 0.31% C and 12.05 - 13% Cr) were subjected to mechanical and physical tests. Phase composition and structural transformations were determined by differential carbide analysis, described in earlier work of the authors and their team (Ref. 5 - "Zavodskaya laboratoriya", 1953, no. 7) and by X-ray structural analysis (carried out by G.M. Rovenskiy (deceased)), metallographic and electron-microscopic analyses. Relaxation tests were made on springs (D_{AV} = 20 and 22 mm,

d = 2 mm, t = 8 and 6 mm, H = 53 mm, n = 10 and 8) which were fixed into a rigid jig and held at the test temperatures. Due to Card 1/3

S/129/61/000/011/007/010 E073/E335

Coiled springs ..

the rigidity of the holding device, the total deformation during the tests remained constant. The relaxation tests of the aprings were carried out with initial stresses below the limit of proportionality of the material and at stresses which slightly exceeded the limit of proportionality. The experiments yielded the following results: 1) it was established that strengthening of this steel during tempering in the temperature range 300 -500 °C is associated with the decomposition of the α-phase and rejection of disperse particles of the carbide (Fe, Cr) C in the form of plates of a thickness below 10⁻⁵ mm. Rejection of the chromium carbide (Cr. Fe)₇C₃ during tempering (at 470 °C and higher) only supplements the process of dispersion-hardening and strengthening of the steel.2) The temper brittleness of this steel at 475 - 550 °C is attributed to the rejection of the disperse chromium carbides (Cr. Fe) Cq. 3) It was established that the tempering temperature that ensured maximum relaxation stability of the steel 3Khl3 depends on the temperature of the relaxation tests; on increasing the test temperature from

5/129/61/000/011/007/010 E073/E135

300 to 350 °C the optimum tempering temperature increases from 4) In the case that the solid solution and the 450 to 500 °C. cementite (Fe, Cr)3C are relatively stable, the maximum relaxation stability of the chromium steel 3Kh13 depends on the structural state and is apparently determined by the largest area of the total surface of the interface between the α -phase and the disperse carbide particles which take the role of barriers 5) Optimum heatpreventing the movement of dislocations. treatment of compression coil springs from this steel are; oil-quenching from 1000 - 1050 °C; tempering at 450 °C with a holding time of 1 hour, followed by cooling in air, the resultant hardness being 44-50 HRC. 6) The steel investigated is recommended for cylindrical compression coil springs, operating at temperatures up to 300 °C. There are 4 figures, 3 tables and 10 references: 9 Soviet-bloc and 1 non-Soviet-bloc. The English language reference reads as follows: Ref.8: K. Kuo, Iron and Steel Institute, v.173, 1953.

Card 3/3

Coiled springs .

MIRLIN, B.G.; ZASLAVSKAYA, M.G. (Kamonsk-Ural'skiy Sverdlovskoy oblasti)

Case of arrhythmia in adolescence. Terap.arkh. 33 no.2272-74, (MIRA 14:3)

F 161. (ARRHYTHMIA)

ALABYSHEV, Aleksendr Filosofovich, doktor tekhm. nauk, prof.;

LANTRATOV, Mikhail Fedorovich, kand. khim. nauk;

MCRACHEVSKIY, Andrey Georgiyevich, kand. tekhn. nauk;

ZASLAVSKAYA, M.I., red.

[Reference electrodes for fused salts] Elektrody sravneniia dila rasplavlennykh solei. koskva, Metallurgiia,

1965. 129 p. (MIRA 18:3)

ZASLAVSKAYA, M.H., sanitarnyy wrach; BELEN'KAYA, A.S., sanitarnyy wrach

Field experience in sanitary control of the district water supply. Gig. 1 san. 24 no.2:57-59 F '59. (MIRA 12:3) (MIRA 12:3)

1. Iz sanitarno-epidemiologicheskoy stantsii Sokol'nicheskogo reyona Moskvy.
(WATER SUPPLY

sanitary control of district water works (Rus))

ZASLAYSKAYA, N.A.

Changes in the protein fractions, lip- and glycoproteins in the blood serum in epidemic hepatitis (Botkin's disease). Trudy ISGMI no.69:21-30 '61. (MIRA 15:11)

1. Kafedra propedevtiki vnutrennikh zabolevaniy Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy chlen-korrespondent AMN SSSR prof. S.M.Ryss) i Biokhimicheskaya laboratoriya Leningraûskogo nauchno-issledovatel'skogo institut ekspertizy trudosposobnosti i organizatsii truda invalidov (zav. laboratoriyey - prof. Ye.A.Sel'kov). (HEPATITIS, INFECTIONS)

(BLOOD PROTEINS)

(GLYCOPROTEINS)

(LIPOPROTEINS)

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ZASLAVSKAYA, N.A.

Electrophoretic study of protein and lipo- and glyco-protein fractions in the blood serum in epidemic hepatitis. Terap.erkh. no.6:41-46 '61. (MIRA I (MIRA 15:1)

1. Iz kafedry propedevtiki vnutrennikh zabolevaniy (zav. - chlen-korrespondent AMN SSSR prof. S.M. Ryss) Leningradskogo sanitarnogigiyenicheskogo meditsinskogo instituta i biokhimicheskoy laboratorii (zav. - prof. Ye.A. Sel'kov) Leningradskogo instituta ekspertizy truda i netrudosposobnosti. (HEPATITIS, INFECTIOUS) (BLO

(BLOOD PROTEINS)

(LIPOPROTEINS) (GLYCOPROTEINS)

GOLUBTSOV, S.A.; POPELEVA, G.S.; ANDRIANOV, K.A.; ZASLAVSKAYA, N.I.

Thermal condensation of trichlorosilane and methyldichlorosilane with vinyl chloride. Plast.massy no.10:21-26 '62. (MIRA 15:11) (Silane) (Vinyl compounds)

ACCESSION NR: AP4035807

8/0020/64/156/001/0047/0049

AUTHOR: Zaslavskaya, N. I.; Zotkin, I. T.; Kirova, O. A.

TITIE: Size distribution of cosmic globules from the region of the Tungus fall

SOURCE: AN SSSR. Doklady*, v. 156, no. 1, 1964, 47-49

TOPIC TAGS: meteorite, cosmic magnetite spherule, Tungus meteorite, meteorite spherule distribution, comet

ABSTRACT: The expeditions of the Committee on Meteorites of the Academy of Sci.

SSSR in 1958-62 investigated the grounds in the region of the Tungus meteorite with the purpose of extracting particles of cosmic origin. The samples were taken from the surface 2 to 3 cm deep. The magnetite portion was magnetically separated, and observed microscopically. Magnetite globules of tens to hundreds microns in diameter were found. They were mostly perous or hollow, some were solid. These

spherules were found in increased concentration in the north-western direction from the epicenter of the explosion along a streak extended for more than 150 km. The distribution in size is given by the expression $n(M) \sim \frac{1}{MB}$, where n is the

Card 1/2

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CCESSION NR: AP403580	7			
ngus moteorite was the	pherules, 8 = 1.2. A sim believed that there is e core of a small comet wh	nough evidence to	o assume that	the
	or about to am. Orig. art	· has: 2 figures	В.	
ademy of Sciences SSSI	o meteoritam Akademii Nauk R)	898R (Committee	on Meteorites,	
EMITTED: 18Dec63				
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1,0912 8/191/62/000/010/005/010 B101/B186

AUTHORS: Golubtsov, S. A., Popeleva, G. S., Andrianev, K. A., Zaslavs-

kaya, II. I.

TITLE: Thermal condensation of trichloro silane and methyl dichloro

silane with vinyl chloride

PERIODICAL: Plasticheskiye massy, no. 10, 1962, 21 - 27

TEXT: Thermal condensation of vinyl chloride with methyl dichloro silane into methyl vinyl dichloro silane (I), and vinyl chloride with trichloro silane into vinyl trichloro silane (II) was conducted in a reaction tube of stainless steel under atmospheric pressure and at 30 sec contact time. Optimum reaction conditions were determined, and the condensation mechanism and thermal decomposition were studied. Results: The optimum temperature for synthesizing (I) is 530 - 540°C, the yield is 75 - 80% as referred to the reacting methyl dichlore silane. The side products are methyl trichloro silane, butadiene, high-boiling products, and gases containing 2% H₂, 5% C₂H₃Cl, 2% CH₄, and up to 1% C₂H₅. The thermal decomposition of C₂H₄, 4% C₂H₃Cl, 2% CH₄, and up to 1% C₂H₅. The thermal decomposition of C₂H₄, 4% C₂H₃Cl, 2% CH₄, and up to 1% C₂H₅.

 'S/191/62/000/010/005/010 B101/B1**6**6

Thermal condensation ..

methyl dichloro silano state in at 400°C and reaches 20% at 570°C. The gaseous decomposition products contain 75% H₂ and 25% CH₄. The solid residue contains 65% Si but no free carbon. A radical mechanism is

residue contains 65% Si but no free carbon. A radical mechanism is assumed, as the solid decomposition products catalyze the decomposition of methyl dichloro silane. The optimum conditions for the synthesis of II are: a molar ratio HSiCl₃: C₂H₃Cl = 1: 1.5 and 500 = 520 °C. The yield

is 70 .. 75% as referred to the reacting HSiCl3, and 60% referred to the

reacting vinyl chloride. If the ratio is reduced to 1:0.6, the temperature has to be raised to 560 - 580°C. A ratio of 1:1 yielded 80% II with respect to HSiCl₃. The side products are equal amounts of SiCl₄ (15 g-moles per 100 g-moles HSiCl₃) and high-boiling polymers. The gas contains 5% H₂. 12% C₂H₄, 3% C₂H₆, the solid residue contains 10 - 50% Si and 30 - 75%

elementary carbon. The thermal decomposition of HSiCl₃ in H₂, SiCl₄, and Si sets in at 560 - 570°C. The effect of the reaction vessel wall on the composition of the reaction products confirms the radical mechanism of the reaction. A surface increase of the reaction vessel by Raschig rings, Card 2/3

Thermal condensation ...

Biol/Bi86

increases the yield of SiCl, and decreases the yield of II. Purification of the reaction vessel with alkali also reduces the yield of II. A nitroser oxide addition of 2% reduces the yield of II to 43% and increases that yell to 13%. In the reaction of II with HCl at 560 - 570°C, the gas consists of 93% H₂ with 7% C₂H₄. There are 8 figures and 3 tables. The most important English-language references are: English Patent 752700 (1956), C. A., 51, 7402 (1957); US Patent 2770634 (1956), C. A., 51 10560 (1957), Japan Patent no. 16 (1951), C. A., 52, 3673 (1958).

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910009-3

ZASIAVSKAYA, N. I.; ZOTKIN, I. T.; KIROVA, O. A.

Sizu distribution of pellets of commic origin in the region of the fall of the Tungus meteor. Dokl. AN SSSR 156 no. 1:

47-49 My '64. (MIRA 17:5)

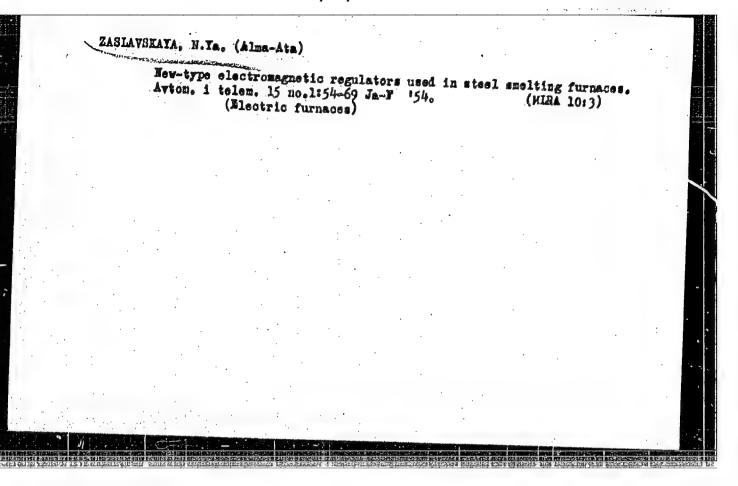
1. Komitet po meteoritam N SSSR. Predstavleno skademikom

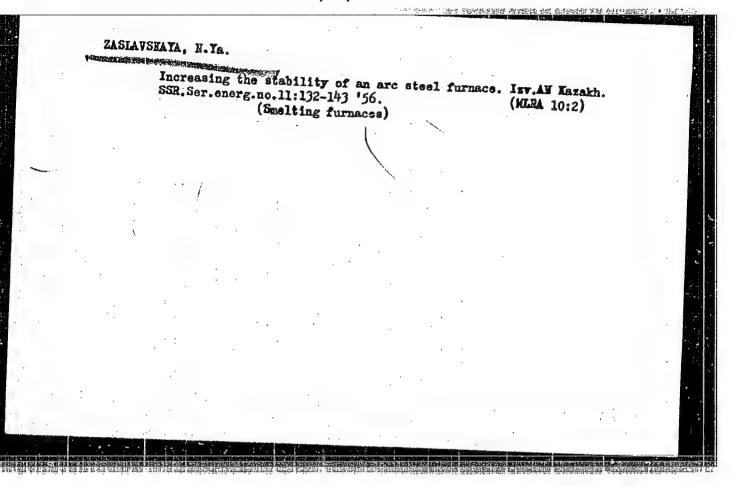
V. G. Fesenkovym.

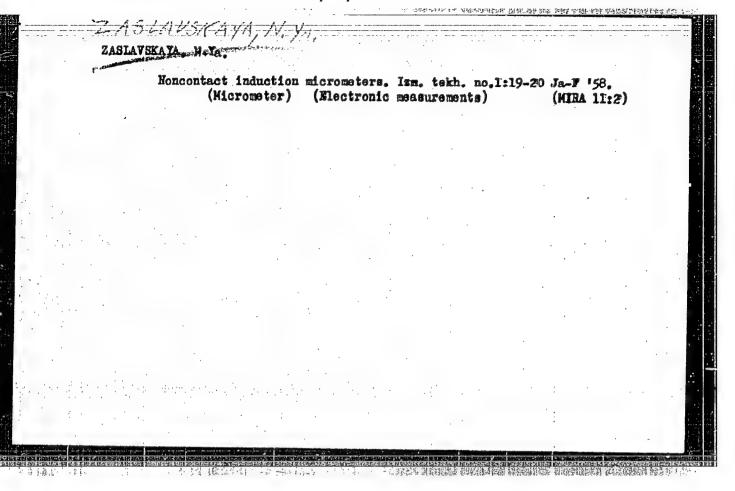
"System of Automatic Control in a Steel Melting Furnace With the Use of a Cross-Field Amplidyne;" Sub 16 Mar 51, Moscow Order of Lenin Power Engineering Inst ineni

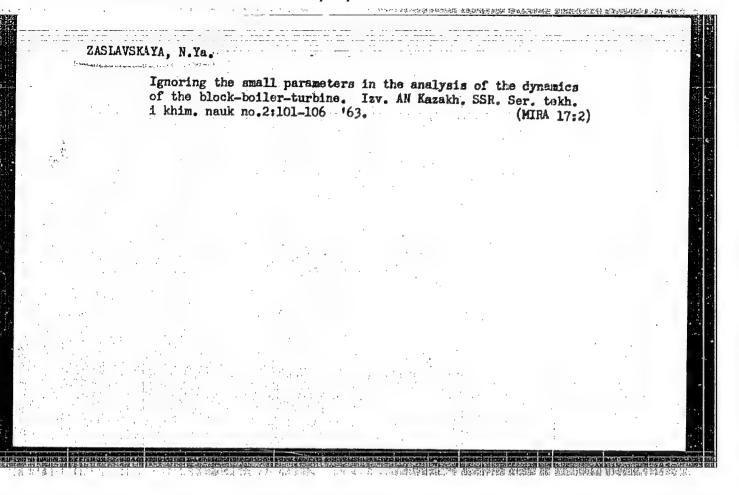
Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55





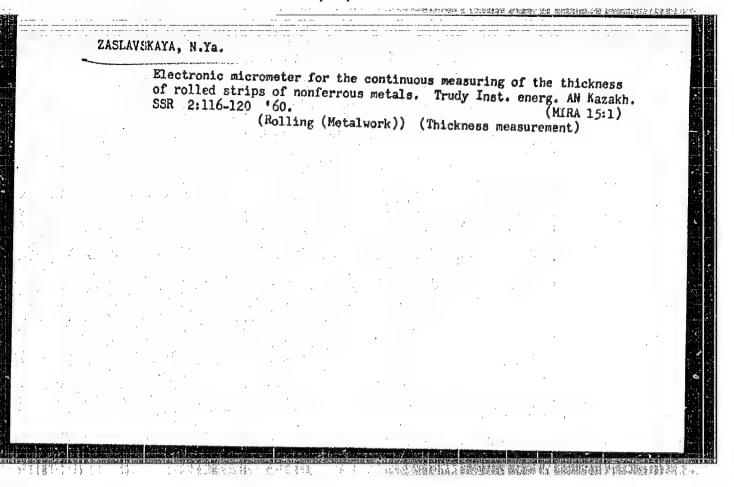




"APPROVED FOR RELEASE: 03/15/2001 CIA-I

CIA-RDP86-00513R001963910009-3

ZASLAVS	KAYA, N. Ya.					
	Study of the Kazakh. SSR.	dynamics of Ser. energ.	a boiler and turi no.2:28-38 62.	bine block, Isy (MIRA 16:1)	, an	
	·	(Boilers)	(Steam turbines)		. *	
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ZASIAVSKAYA. H.Ya.; SULETMENOVA, L.K.

Experimental dynamic characteristics of a boiler-turbine unit. Izv.AN Kazakh.SSR Ser.energ. no.2:112-117 *60.

(NURA 13:7)

(Boilers) (Steam turbines)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910009-3

AUTHOR:

Zaslavskaya, N. Ya.

507/115-58-1-8/50

TITLE:

A Contactless Inductive Electromicrometer (Beskontaktnyy

induktsionnyyelektromikrometr)

PERIODICAL:

Izmeritel'naya tekhnika, 1958, Nr 1, pp 19 - 20 (USSR)

ABSTRACT:

The described contactless electromiorometer for continuous measuring of a 50 to 250 microns thick brass band in the process of rolling has been used since 1954 on one of the rolling mills of the Balkhashskiy zavod tavetnogo prokata (Balkhash Nonferrous Metal Rolling Plant). It shows band thickness variations of 1-2 microns and has reduced by 1.5 times the rejects of bands rolled at this mill. There is I diagram.

1. Micrometers-Design 2. Electricity-Applications

ZASLAVSKAYA, N.YA

137-58-5-9140

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 56 (USSR)

AUTHOR: Zaslavskaya, N. Ya.

TITLE: Means of Increasing the Stability of Operation of a Steelsmelting Arc Furnace (Povysheniye ustoychivosti dugovoy stale-

plavil'noy pechi)

PERIODICAL: Izv. AN KazSSR. Ser. energ., 1956, Nr 11, pp 132-143

(Summary in Kazakh)

ABSTRACT: The unstable burning of arcs in a 1000 kva furnace at the Alma-Ata heavy machinery plant during the period of liquefaction of a charge affects the operation of the power lines. Imported "Rototrol" regulators are not capable of overcoming the inertia of the electrode-raising mechanisms during starts or even when the desired magnitudes of current and voltage have been attained. Stability in operation is reached only at the end of the smelting process. Increasing the effectiveness of the feedback windings increases the stability margin from 0.615, for example, to 1.15; however, this slows down the movement of the electrodes by 11%, reduces sensitivity by as much as 13%,

and introduces the necessity of changing the overload-protection Card 1/2 relay settings. Therefore, it is advisable to introduce into the

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910009-3

137-58-5-9140

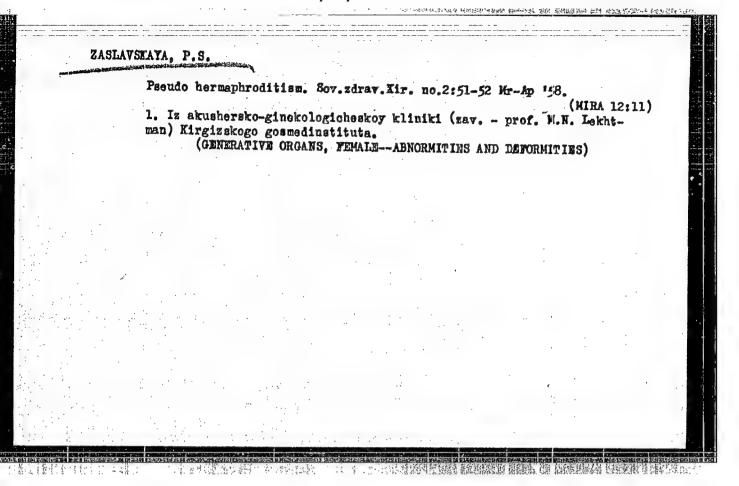
Means of Increasing the Stability (cont.)

control system an additional stabilizing aggregate, namely, a rate element, the controlling action of which improves the stability of the regulator without effecting a reduction in its sensitivity or speed.

V.T.

1 Electric furnaces--Stability 2. Electric ores--Control systems

Card 2/2



ZASLAYNOV, D. I.

23234. Opyt eksploatstsii pogruzochnkyh mashin /na ugol'nykh shakhtakh/.
Mekhanizatsiya trudoyemkikh i tyeshelykh rabot, 1949, No. 7, c. 10-13

SO: LETOPIS' NO. 31, 1949

ACC NR: AP7007808

(A)

SOURCE CODE: UR/0080/67/040/001/0205/0209

AUTHOR: Glusman, M. Kh.; Zaslavskaya, R. G.

ORG: Kharkov Scientific Research Chemico-Pharmaceutical Institute (Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut).

TITLE: Kinctics of phthalylation of acetylcollulose and viscosities of acetyl-phthalylcollulose solutions

SOURCE: Zhurnal prikladnoy khimii, v. 40, no. 1, 1967, 206-209

TOPIC TAGS: cellulose, viscosity, phthalylation, fluid vecesety

ABSTRACT: In order to determine the optimum conditions for preparing acetylphthalyl-cellulose (AFC) which is soluble in organic solvents and weakly alkaline media, a study was made of the kinetics of phthalylation of acetylcellulose (AC) containing 27-32% acetyl groups at molar ratios of AC to phthalic anhydride equal to 1:3, 1:5 and 1:8 and temperatures of 60, 80 and 100°. The highest degree of substitution by phthalyl groups was obtained at a phthalic anhydride content of 8 moles per mole of AC at 80-100°. A study of the solubility of APC in mixtures of two organic solvents showed that it dissolves best in mixtures containing equal amounts of chloro derivatives of a hydrocarbon and alcohol. In mixtures of chloroform and dichloroethane with alcohol containing 5% APC, addition of alcohol first leads to a sharp increase and then to a decrease in the viscosity of the solutions. In dimethylformanide, an

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UDC: 547.458.82

ACC NR: AP7007808

increase in the concentration of the film-forming agent causes a sharp increase in viscosity, and in acctic acid solution the viscosity increases more regularly. Addition of dibutyl phthalate to an APC solution decreases the viscosity, while Tween 80 increases it. Orig. art. has: 4 figures and i table.

SUB CODS: 07/ SUEM DATE: 21Jan65/ ORIG REF: 001/ OTH REF: 005

ZASLAVSKAYA, R. I

USSR/Physical Chemistry - Thermodynamics, Thermochemistry. B-8
Equilibrium, Physicochemical analysis, Phase Transitions

Abs Jour , Referat Zhur - Khimiya, No 2, 1957, 3700

Author : Shargorodskiy S.D., Zaslavskaya R.I.

Title : Use of Iron Vitriol in the Preparation of Alkali Motal

Sulfates by the Hydrothermal Kethod

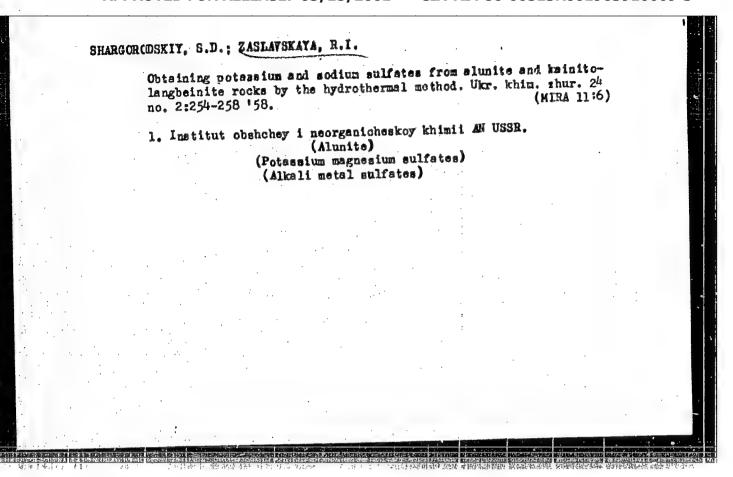
Orig Pub : Ukr. hhim. zh., 1955, 21, No 6, 694-699

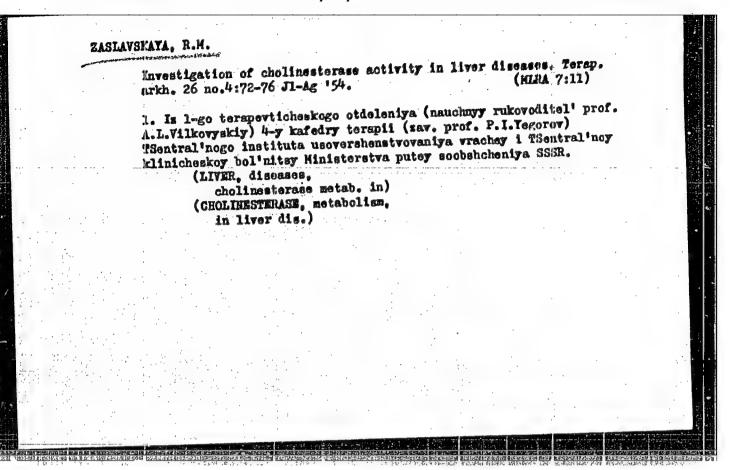
Abstract: An investigation was made by the thermographic method of the decomposition of FeSUL. THeO (I) and mixtures of I

and KCl (II) and NaCl (III). It was found that additions of Fe₂O₃ and SiO₂ do not affect the course of the reaction of I with II and with III. It was found that II and III accelerate decomposition of I by almost two times. Degree of conversion of II in admixture with I increases with temperature and is little affected by duration of heating. Decrease by 8 times of the rate of passing of

steam over the reaction mixture, and also the

Card 1/2





CHERKINSKIT, S.N.: ZASLAVSKAYA, R.M.

Pluorine in underground waters of the R.S.P.S.R. as a causative factor of fluorosis and of caries. Oig.i san. no.5:22-26 My '53. (MERA 6:5)

1. Fauchno-issledovatel'skiy sanitarnyy institut imeni Erismana. (Fluoring--Physiological effect)

ZASLAVSKAYA, R. H.

"Influence of Natural Sanitary; and Technological Factors on Chemical and Racterial Composition of Mater in Ground Wells." Thesis for degree of Card Medical Sci. Sub 5 Apr 50, Acad Med Sci USSR

Summary 71, 4 Sep 52. Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernyaya Moskva, Jan-Dec 1950

CHERKINSKIY, S.P.; ZASLAVSKAYA, YM.M.; MIKHAYLOVSKAYA, L.A.; KHOVANSKAYA, M.G.

Fluorine content of the sources of water supply in the Russian Socialist Federated Soviet Republic. Gidrokhim.mat. no.21:19-23
'53. (MLRA 7:3)

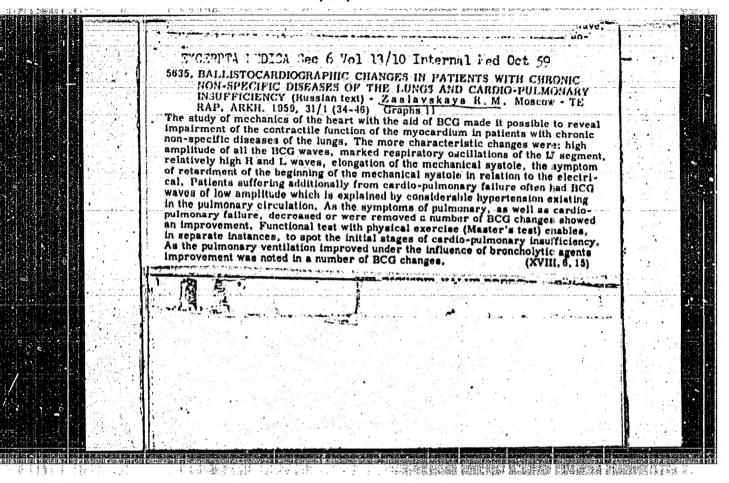
1. TSentral'nyy nauchno-iseledovatel'skiy sanitarnyy institut im. F.F.Eriemana. (Water supply) (Fluorine)

EASLAVSKAYA, R.M. (Moscow).

Blilary cirrhosis of the liver due to cholelithiasis. Klin.med.
31 no.12:76 D '53. (MLRA 7:1)

1. Iz l-gc terapevticheskogo otdeleniya (zaveduyushchiy professor A.L.Vilkovyskiy) TSentral'noy klinicheskoy bol'nitsy
Ministerstva putey soobshcheniya.

(Liver--Girrhosis) (Calculi, Biliary)



BELYAYEV, I.I., prof.; BLIOKH, S.S., kand. med. nauk; GABOVICH, R.D., prof.; GORBOV, V.A., dots.; ZHABOTINSKIY, V.M., prof.; ZASLAVSKAYA, R.M., kand. med. nauk; KIBALICHICH, I.A., kand. med. nauk; KROTKOV, F.G., prof.; MOGILEVSKIY, Ya.A., kand. med. nauk[deceased]; TRAKHTMAN, N.N., dots.; CHERKINSKIY, S.N., prof.; GOROMOSOV, M.S., doktor med. nauk, red.; RYAZANOV, V.A., prof., red.; BUSHTUYEVA, K.A., dots., red.; SELESKIRIDI, I.G., dots., red.; OSTROVERKHOV, G.Ye., prof., glav. red.; PETROVA, N.K., tekhn. red.

[Manual on communal hygiene]Rukovodstvo po kommunal noi gigiene. Moskva, Medgiz. Vol.2. 1962. 763 p. (MIRA 15:12)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Krotkov). 2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Cherkinskiy, Ryazanov).

(SOIL DISINFECTION) (WATER SUPPLY)

VIIKOVYSKIY, A.L., prof.; ZASLAVSKAYA, R.M., kand.med.nauk (Moskva)

Changes in the cardiovascular system in pulmonary emphysema.
Klin.med. 38 no.3:102-111 Mr'60. (MIRA 16:7)

1. Iz filiala legochnoy patologii AMN SSSR (rukovoditel' -chlen-korresponden': ANN SSSR prof. P.I. Yagorov) i Instituta
terapii AMN SSSR (dir.-deystvitel'nyy chlen AMN SSSR prof.
A.L., Myasnikov).

(EMPHYSEMA, PULMONARY)
(CARDIOVASCULAR SYSTEM—DISEASES)

Zislivskiya, R. M. Cand. Med. Sci.

Dissertation: "Influence of the Natural, Sanitary and Technological Factors on Chemical and Bacterial Composition of Water in Ground Wells."

5/4/50
Acad. Med. Sci. USSR

SO Vecheryaya Moskva
Sum 71